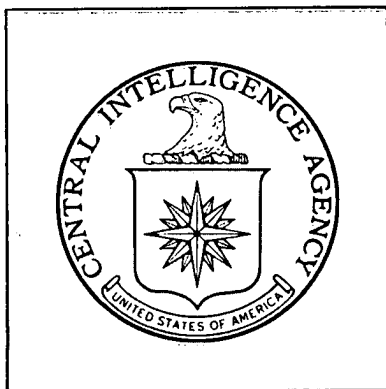


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**DIRECTORATE OF
INTELLIGENCE**

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Major Electric Power Plants

Kwangtung Province, China

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DATE DECEMBER 1969

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

ABSTRACT

This report, based on late 1968 and 1969 photography, updates the previous Basic Imagery Interpretation Briefs on six of the seven major electric power plants in Kwangtung Province of China. There has been no interpretable photographic coverage of the Mao-ming Thermal Power Plant Refinery since the previous report. The cutoff date for information in this report is September 1969.

No construction or dismantling activity has been observed at five of the six plants since the previous reports. At the sixth plant, the Ju-yuan Hydro Power Plant, the earthen dam has been completed and the reservoir has been impounded.

On the latest available photographic coverage, the four plants at Chan-chiang, Ho-yuan, Kuang-chou, and Wu-shih were in operation, the facilities at Ju-yuan were still under construction, and the Tung-fang plant did not appear to be in operation.

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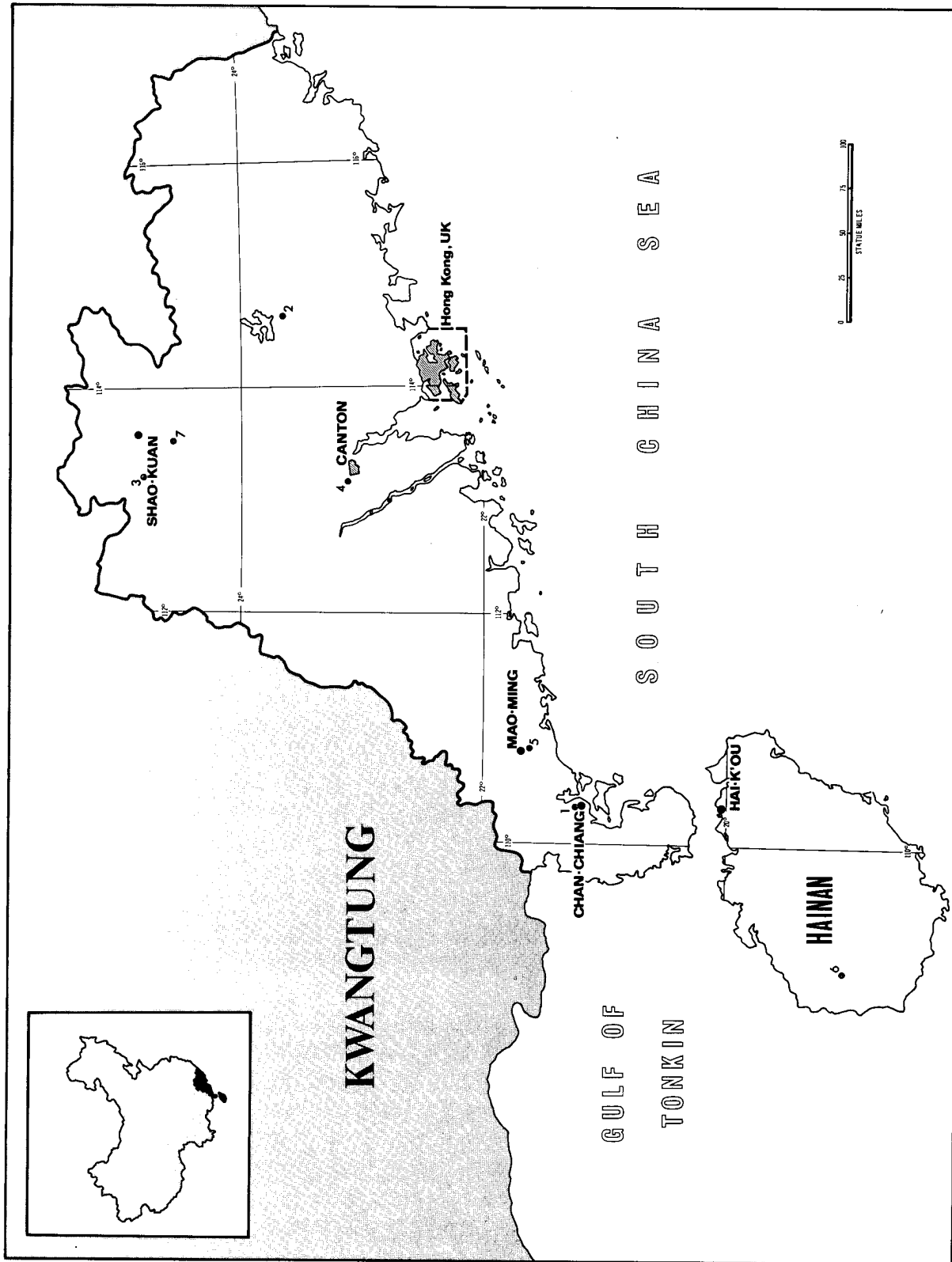


FIGURE 1. LOCATION MAP.

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INTRODUCTION

This report presents information on the current status of each of the seven major electric power plants in Kwangtung Province and describes any changes since the previous reports.

The following list of the major electric power plants in Kwangtung Province is keyed to Figure 1.

1. Chan-chiang Thermal Power Plant
2. Ho-yuan Dam and Hydro Power Plant Hsin-feng Chiang
3. Ju-yuan Hydro Power Plant Nan-shui
4. Kuang-chou (Canton) Thermal Power Plant Hsi-tsun
5. Mao-ming Thermal Power Plant Refinery
6. Tung-fang Hydro Power Plant Lokoshing
7. Wu-shih Thermal Power Plant

Requirement

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Chan-chiang Thermal Power Plant

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

49QDP342452

21-12-30N 110-21-50E

25X1

MAP REFERENCE

548th RTG. USATC, Series 200. Sheet M0615-18HL. 3rd ed. Mar 68. Scale 1:200 000

(SECRET)

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at the Chan-chiang Thermal Power Plant since April 1968, the date of the latest photography used in the previous report.

The plant appeared to be in operation in October 1968. Two of the three spray ponds were in operation.

REFERENCES

Document

CIA. BCS 13/0018/69, Chan-chiang Thermal Power Plant, August 1968,
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INSTALLATION OR ACTIVITY NAME		COUNTRY
Ho-yuan Dam and Hydro Power Plant Hsin-feng Chiang		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
50QKB607268	23-43-36N 114-38-55E	
MAP REFERENCE		
548th RTG. USATC, Series 200, Sheet M0614-2HL, 3rd ed., May 68, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the Ho-yuan Dam and Hydro Power Plant since September 1968, the date of the latest photography used in the previous report.

The plant appeared to be in operation in September 1969. Turbulence was seen in the tailrace below the powerhouse.

REFERENCES

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Document

CIA. BCS 13/0282/69, Ho-yuan Dam and Hydro Power Plant (Hsin-feng Chiang), June 1969, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Ju-yuan Hydro Power Plant Nan-shui

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

49RGT237422

24-46-50N 113-12-47E

25X1

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet 0498-2IHL, 1st ed., Mar 62, Scale 1:200,000
(SECRET)

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

The earthen dam at the Ju-yuan Hydro Power Plant has been completed and a reservoir, about 12 nm long and 1 nm wide, has been impounded since February 1969, the date of the latest photography used in the previous report. No evidence of a powerhouse was discernible on small-scale photography of September 1969. Ground scarring was still visible at a construction site 2.4 nm east of the dam, but the purpose of this activity remains unknown.

REFERENCES

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Document

CIA. BCS 13/0283/69, Ju-yuan Hydro Power Plant (Nan-shui), June 1969,
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INSTALLATION OR ACTIVITY NAME		COUNTRY
Kuang-chou Thermal Power Plant Hsi-tsun		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
49QGR276606	23-08-27N 113-13-23E	
MAP REFERENCE		
548th RTG. USATC, Series 200, Sheet M0614-6HL, 5th ed., May 68, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

BASIC DESCRIPTION

No changes have been observed at the Kuang-chou Thermal Power Plant since December 1967, the date of the latest photography used in the previous report.

The plant appeared to be in operation in February 1969. Heavy smoke was emanating from the stacks.

REFERENCES

Document

CIA. BCS 13/0012/69, Kuang-chou Thermal Power Plant (Hsi-tsun), August 1968,
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INSTALLATION OR ACTIVITY NAME

COUNTRY

Mao-ming Thermal Power Plant Refinery

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

49QDP868975

21-40-47N 110-52-20E

MAP REFERENCE

ACIC. USATC, Series 200, Sheet M0615-14HL, 3rd ed., Mar 67, Scale 1:200,000

(SECRET)

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

BASIC DESCRIPTION

No interpretable photography of the Mao-ming Thermal Power Plant Refinery has been obtained since December 1968, the date of the latest photography used in the previous report.

REFERENCES

Document

CIA. BCS 13/0281/69, Mao-ming Thermal Power Plant Refinery, May 1969,

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Tung-fang Hydro Power Plant Lokoshing

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

49QBM880052

19-01-55N 108-59-00E

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0618-6HL, 3rd ed., Feb 69, Scale 1:200,000

(SECRET)

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

BASIC DESCRIPTION

No changes have been observed at the Tung-fang Hydro Power Plant since December 1967, the date of the latest photography used in the previous report. Since the previous report, the plant has been seen once, on photography of March 1969. No turbulence was visible in the tailrace to indicate that the plant was operating. However, the quality of the photography may have precluded its observation. The last time this plant appeared to be operating was in July 1965.

REFERENCES

Document

CIA. BCS 13/0062/69, Tung-fang Hydro Power Plant (Lokoshing), October 1968, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Wu-shih Thermal Power Plant		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
49RGT602205	24-35-05N 113-34-27E	
MAP REFERENCE		
15th RTS. USATC, Series 200, Sheet 0498-2IHL, 1st ed., Mar 62, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the Wu-shih Thermal Power Plant since July 1968, the date of the latest photography used in the previous report.

The plant appeared to be in operation in February 1969. Smoke was emanating from the two stacks.

REFERENCES

25X1

Document

CIA. BCS 13/0015/69, Wu-shih Thermal Power Plant, September 1968,
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